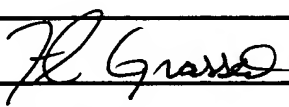


DM

<b>TRANSMITTAL FORM</b> <b>OIP E IAP38</b> <b>OCT 24 2005</b> <b>PATENT AND TRADEMARK OFFICE</b> (to be used for all correspondence after initial filing)	Application Number	10/781,775	
	Filing Date	February 20, 2004	
	First Named Inventor	Chad G. Harris et al.	
	Art Unit	Unassigned	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission	11	Attorney Docket Number	12013/51001

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Grant of Power of Attorney <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Certificate Under 37 C.F.R. 3.73(b) w/copy of recorded Assignment
<b>Remarks</b>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	KENYON & KENYON		
Signature			
Printed Name	Fred T. Grasso		
Date	October 24, 2005	Reg. No.	43,644

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

BEST AVAILABLE COPY



12013/51001

**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s):	Chad G. Harris, et al.	Group Art Unit: Unassigned
Serial No.:	10/781,775	Examiner: Unassigned
Filing Date:	February 20, 2004	
For:	<b>VARIABLE DEPTH INJECTION DEVICE AND METHOD</b>	

**Commissioner of Patents**  
P.O. Box 1450  
Alexandria, VA 22313-1450

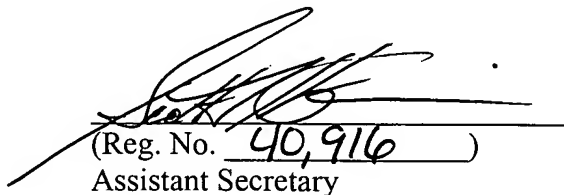
**GRANT OF POWER OF ATTORNEY PURSUANT TO 37 C.F.R. § 3.71**

S I R:

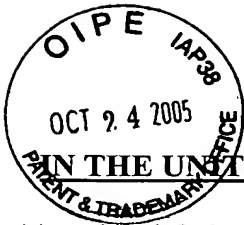
Assignee hereby appoints the practitioners associated with Customer Number 23838 as well as the following practitioners -- Peter J. Gafner (Reg. No. 36,517); Luke R. Dohmen (Reg. No. 36,783); Albert K. Kau (Reg. No. 40,672); Kurt W. Lockwood (Reg. No. 40,704); Scott T. Bluni (Reg. No. 40,916); Todd P. Messal (Reg. No. 42,883); Steven A. McAuley (Reg. 46,084); and William J. Shaw (Reg. No. 43,111) -- to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected therewith. All previous Powers of Attorney in connection with this application are hereby revoked. Please send all correspondence to Customer No. 23838 and direct all telephone calls to Douglas E. Ringel at (202) 220-4200.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

10/11/05  
Date

  
(Reg. No. 40,916)  
Assistant Secretary

*on behalf of:*  
BOSTON SCIENTIFIC SCIMED, INC.



12013/51001

Inventor(s): Chad G. Harris, et al.

Serial No.: 10/781,775

Filing Date: February 20, 2004

For: **VARIABLE DEPTH INJECTION  
DEVICE AND METHOD**

Group Art Unit: Unassigned

Examiner: Unassigned

**Commissioner of Patents**

P.O. Box 1450  
Alexandria VA  
22313-1450

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

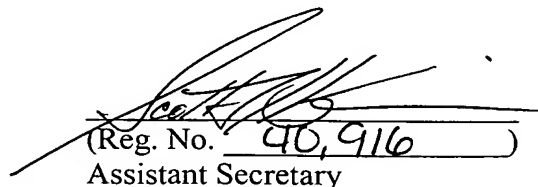
**BOSTON SCIENTIFIC SCIMED, INC.**, a corporation, certifies that it is the assignee of the entire right, title, and interest in the United States patent application identified above by virtue of an assignment from **Chad G. Harris, Matthew L. Hawk and Timothy J. Mickley** filed on February 20, 2004, a copy of which is attached herewith.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

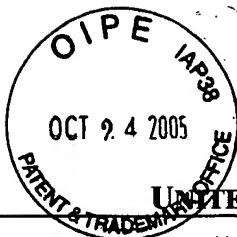
The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

10/11/05  
Date

  
(Reg. No. 90,916)  
Assistant Secretary

on behalf of:  
**BOSTON SCIENTIFIC SCIMED, INC.**



UNITED STATES PATENT AND TRADEMARK OFFICE

P39885 US

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 19, 2004

PTAS



\*102679931A\*

KENYON & KENYON  
DOUGLAS E. RINGEL  
1500 K STREET, NW  
SUITE 700  
WASHINGTON, DC 20005

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/20/2004

REEL/FRAME: 015007/0031

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HARRIS, CHAD G.

DOC DATE: 02/10/2004

ASSIGNOR:

HAWK, MATTHEW L.

DOC DATE: 02/11/2004

ASSIGNOR:

MICKLEY, TIMOTHY J.

DOC DATE: 02/10/2004

ASSIGNEE:

SCIMED LIFE SYSTEMS, INC.  
ONE SCIMED PLACE  
MAPLE GROVE, MINNESOTA 55311-1566

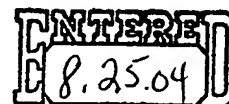
SERIAL NUMBER: 10781775

FILING DATE: 02/20/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: VARIABLE DEPTH INJECTION DEVICE AND METHOD



015007/0031 PAGE 2

LENELL MACKALL, SUPERVISOR  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

02-27-2004

Tab settings ⇨ ⇨ ⇨ ▼ ▼



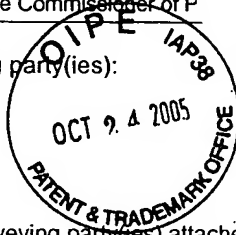
▼ ▼ ▼

To the Honorable Commissioner of P

and original documents or copy thereof.

1. Name of conveying party(ies):

Chad G. Harris  
Matthew L. Hawk  
Timothy J. Mickley



102679931  
2-20-04

2. Name and address of receiving party(ies)

SCIMED LIFE SYSTEMS, INC.  
ONE SCIMED PLACE  
MAPLE GROVE, MN 55311-1566

22857 U.S. PTO  
10781775



022004

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 2/10/2004; 2/11/2004; 2/10/2004

4. Application number(s) or patent number(s):

10781775

If this document is being filed together with a new application, the execution date of the application is: February 10, 2004,  
February 11, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Douglas E. Ringel  
Kenyon & Kenyon  
1500 K Street, NW  
Suite 700  
Washington, DC 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) . . . . . \$ 40

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:

11-0600

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David R. Schaffer, Reg. No. 43,089

Name of Person Signing

Signature

2/29/04  
Date

Total number of pages including cover sheet, attachments, and documents: 7

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

02/26/2004 ECDPER 00000126 110600 10781775

01 FC:8021 40.00 DA

**ASSIGNMENT**

WHEREAS, We,

- 1) Chad G. Harris, a citizen of the United States of America;
- 2) Matthew L. Hawk, a citizen of the United States of America; and
- 3) Timothy J. Mickley, a citizen of the United States of America.

residing at

- 1) 11451 77<sup>th</sup> ST. N.E., Albertville, MN 55301;
- 2) 8765 Palmgren Ave. N.E., Otsego, MN 55330; and
- 3) 21870 Xenon Street, Elk River, MN 55330.

(hereinafter also referred to as "the Assignors"); have invented new and useful improvements in **VARIABLE DEPTH INJECTION DEVICE AND METHOD**, for which we have made an application for Letters Patent of the United States, said application being filed in the United States Patent and Trademark Office herewith; and

WHEREAS, SCIMED LIFE SYSTEMS, INC., organized and existing under and by virtue of the laws of the State of Minnesota, having an office at One SCIMED Place, Maple Grove, Minnesota 55311-1566, (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the application and invention therein described and claimed and any Letters Patent that may be issued upon the application or for the improvements therein contained.

NOW, THEREFORE, in consideration of One U.S. Dollar (U.S. \$1.00) and other valuable consideration furnished by Assignee to me, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.



IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 10 day  
of February, 2004.

Chad G. Harris  
Chad G. Harris

United States of America )

State/Commonwealth of Minnesota ) ss.:

County of Hennepin )

On this 10<sup>th</sup> day of Feb 2004, before me personally came **Chad G. Harris**, to me  
known to be the individual described in and who executed the foregoing instrument, and  
acknowledged execution of same.



Wendy G. Nistler  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 11<sup>th</sup> day of February, 2004.

Matthew L. Hawk  
Matthew L. Hawk

United States of America )

State/Commonwealth of Minnesota ) ss.:

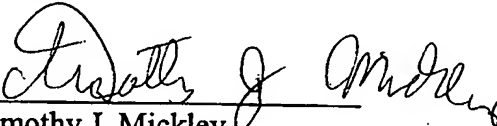
County of Hennepin )

On this 11<sup>th</sup> day of Feb 2004 before me personally came Matthew L. Hawk, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of same.



Wendy G. Nistler  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 10<sup>th</sup> day of February, 2004.

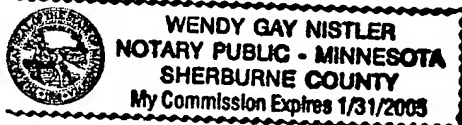
  
Timothy J. Mickley

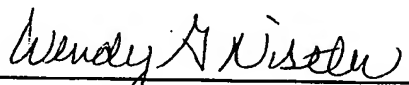
United States of America )

State/Commonwealth of Minnesota ) ss.:

County of Nennepin )

On this 10<sup>th</sup> day of Feb 2004 before me personally came **Timothy J. Mickley**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of same.



  
Notary Public

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ ~~FADED~~ TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**